

Abstract of the Disclosure

The present invention relates to a method of, and a system for, enhancing data security, which data is to be executed in an electronic device (101) comprising a secure execution environment (104) to which access is restricted. 5 A basic idea of the present invention is that, at device boot, data in the form of e.g. program code is copied from permanent memory (112) to temporary memory (110). The integrity of this program code must be verified to ensure that 10 the program code has not been altered during the transmission between the memories. Further, a new secret key is generated in the secure execution environment. This new secret key is used by a device processor (103) to encrypt the program code to be stored in the temporary memory in order 15 to ensure that the program code is kept secret during transmission. The device processor thereafter writes the encrypted program code into the temporary memory.

20 Figure of publication: Fig. 1.